

Title (en)  
process for the preparation of purified sorbic acid

Title (de)  
Verfahren zur Herstellung von gereinigter Sorbinsäure

Title (fr)  
procédé de préparation d'acide sorbique purifié

Publication  
**EP 1065195 B1 20040512 (EN)**

Application  
**EP 99943429 A 19990921**

Priority  
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• JP 28225098 A 19981005

Abstract (en)  
[origin: EP1065195A1] The invented process produces sorbic acid. The process includes the steps of adding a crude sorbic acid to a hot water having a temperature exceeding 100 DEG C, which crude sorbic acid is obtained by the decomposition of a polyester formed through a reaction of ketene with crotonaldehyde, and performing at least one treatment selected from (A) a hot water extraction treatment for extracting sorbic acid with the hot water, and (B) a treatment with an activated carbon in the hot water. The temperature of the hot water is, for example, 120 DEG C or lower. The amount of sorbic acid to be treated is, for example, equal to or less than the saturated dissolution amount of sorbic acid with respect to the hot water at a treating temperature. The invented process can easily and efficiently remove tar substances and other impurities by-produced in the decomposition of the polyester and can produce a highly purified sorbic acid with a high productivity.

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IPC 8 full level  
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